

# Biotoxin Bulletin

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## SEM Up and Running

As of June 28, 2002 the Scanning Electron Microscope is functioning.



Laurinda in the SEM room in HML

### Specifications:

Maximum magnification 300,000 X

Maximum resolution 3.5 nm

Capabilities of both backscattered electron image and secondary electron image

All digital photographs

Can operate at both high and low vacuum mode

## SCPMN Documents Pink Tide



A bloom of the blue-green algae, *Synechococcus* was recorded in an interior pond of Dewees Island, SC. This picture was taken about a month into the bloom. Thanks to SCPMN volunteer Arla Jessen for helping document this interesting occurrence.

## HAB/Technology Transfer Workshop

(adapted from Fran VanDolah's email update)

### ASLO: Victoria, British Columbia

She presented work on the *K. brevis* cDNA library in a special session that was organized by Senjie Lin on "Molecular Approaches to Phytoplankton Ecology". This was an interesting session with a variety of presentations. A highlight of the session was Senji's presentation on Rubisco expression in *P. minimum*. In most algae, Rubisco expression correlates with photosynthesis (high in day, low at night). In *P. lima*, he found it to be expressed independent of the light/dark cycle. This is of particular interest to our work in *K. brevis*, where many genes controlled at the transcriptional level in "normal" organisms are beginning to look like they're expressed constitutively.

### HAB Workshop: Santiago, Chile

The HAB workshop in Santiago was the first meeting at which Chilean HAB researchers from different fields (monitoring vs health vs oceanography) came together in one place. Chile has had a PSP crisis this year, with expansion of PSP from the south to central Chile, causing several deaths in a region dependent on its shellfishery.



L-R: Fran VanDolah, Don Anderson, Leonardo Guzman, Sherwood Hall

Please direct all comments and suggestions to  
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